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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/972,619		Paul LoRegio	01 W047	4332	
7	590 11/17/2003		EXAM	INER	
William C. Schubert			STAHL, MICHAEL J		
Raytheon Com	pany				
2000 East El Se	egundo Blvd.		ART UNIT	PAPER NUMBER	
P. O. Box 902			2874	2874	
El Segundo, C	A 90245				

DATE MAILED: 11/17/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/972,619	LOREGIO, PAUL	ĺ			
Notice of Allowability	Examiner	Art Unit				
İ	Mike Stahl	2874				
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to amendment filed 8/18 2. The allowed claim(s) is/are 1,2 and 6-13.	(OR REMAINS) CLOSED or other appropriate comr GHTS. This application is and MPEP 1308.	in this application. If not included munication will be mailed in due c	d ourse. THIS			
3. ☐ The drawings filed on <u>08 October 2001</u> are accepted by th 4. ☐ Acknowledgment is made of a claim for foreign priority und a) ☐ All b) ☐ Some* c) ☐ None of the:		or (f).				
1. Certified copies of the priority documents have been received.						
 Certified copies of the priority documents have Copies of the certified copies of the priority documents International Bureau (PCT Rule 17.2(a)). 			on from the			
* Certified copies not received: 5. Acknowledgment is made of a claim for domestic priority ur (a) The translation of the foreign language provisional a 6. Acknowledgment is made of a claim for domestic priority ur Applicant has THREE MONTHS FROM THE "MAILING DATE" of	pplication has been received ander 35 U.S.C. §§ 120 and this communication to file	red. d/or 121. a reply complying with the requi	rements noted			
below. Failure to timely comply will result in ABANDONMENT of to 7. A SUBSTITUTE OATH OR DECLARATION must be submin INFORMAL PATENT APPLICATION (PTO-152) which gives reas	nitted. Note the attached E	XAMINER'S AMENDMENT or N				
 8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No. (b) including changes required by the proposed drawing of including changes required by the attached Examiner 	correction filed, wh	nich has been approved by the E	l.			
Identifying indicia such as the application number (see 37 CFR 1 each sheet.						
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FOR T 			ote the			
Attachment(s)						
 1⊠ Notice of References Cited (PTO-892) 3□ Notice of Draftperson's Patent Drawing Review (PTO-948) 5□ Information Disclosure Statements (PTO-1449), Paper No 7□ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4∏ Intervi 6∏ Exami	of Informal Patent Application (Few Summary (PTO-413), Paper In ner's Amendment/Comment ner's Statement of Reasons for A	No			

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This office action is in response to the amendment filed August 18, 2003. The changes to the claims have been entered. Claims 1, 2, and 6-13 remain.

Allowable Subject Matter

Applicant's remarks concerning independent claims 1 and 9 as amended are persuasive. Claim 1 as amended incorporates the subject matter of original claim 5, which was previously rejected as being obvious in view of Lee et al. (US 5737104). It was asserted in the rejection that it would have been obvious to a skilled person to arrange the Lee device such that the first, second, and third incident beams are not coplanar. However, applicant has alleged that the beams in Lee are not coplanar because if they were, there would not be a space problem needing the specific solution proposed by Lee in fig. 5. Applicant also alleges that Lee's recognition of the same problem as applicant, and proposal of a solution which differs from applicant's solution, tends to support the patentability of claim 1. The examiner concedes this point and notes that none of the previously cited references specifically teaches a non-coplanar layout of incident beams.

Claim 9 as amended includes the limitations from original claim 15, which was also rejected as obvious in view of Lee. In particular, it was asserted that it would have been obvious to a skilled person to substitute mirrors for loop-back fibers as the optical links between receiving and redirecting collimators because of the potential for reduced costs and space requirements. However, applicant argues that there is no evidence to support this assertion. The examiner agrees insofar as no reference of record specifically teaches that an arrangement using

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mirrors would necessarily be less expensive and take up less space than Lee's arrangement using

loop-back fibers.

Accordingly, the previous rejections under Lee et al. are withdrawn and claims 1, 2, and

6-13 are allowed.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure: US 6055347 and US 5917626 disclose multiple pass optical filters which use a

single filter to drop different wavelengths depending on the incident angle of the beam.

Any inquiry concerning this communication should be directed to Mike Stahl at (703)

305-1520. Official communications eligible for submission by facsimile may be faxed to (703)

872-9318 (before final) or (703) 872-9319 (after final). Inquiries of a general or clerical nature

(e.g., a request for a missing form or paper, etc.) should be directed to the Technology Center

2800 receptionist at (703) 308-0956 or to the technical support staff supervisor at (703) 308-

3072.

CLM

Michael J. Stahl Patent Examiner

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October 31, 2003